BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of Work:-Detailed Sub Estimate for spl Repairs and Replacing of damaged pathway Lights in CQAL Layout Park in Ward No 8.

Budget Head .....

Division No..... Estimate No. 28/17x8 For Rs. **500000.00**

Sl.No.	SR Page & SL No	Description of Work	Qty.	Rate Rs.	Unit	Amount
1	4.34	LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition LED Post Top Lantern with 24 watts	23	15930.00	Nos	366390.00
2	55/7.4.6	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm	265	140.40	Per Mtr	37206.00
3		3.5 core 35 sqmm	50	204.00	Per Mtr	10200.00
4	61/7.8.2	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	265	10.80	Per Mtr	2862.00
5		b)25sqmm to 75 sqmm	50	16.00	Per Mtr	800.00
6	62/7.9.1	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary)	220	78.00	Per Mtr	17160.00
7	19. 32/9	Supplying and fixing of Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.. Group A, PWD SR 2007-08,	1	4200.00	Each	4200.00
8	6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	1	9915.00	Each	9915.00
9	47/6.16.4	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. b) 40-63Amps DP,2. Group 'A'	2	1093.00	Each	2186.00

10	55/7.1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	1	2727.00	Each	2727.00
11	45/6.7.4	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.d) 100 Amps	4	360.00	Each	1440.00
12	62/7.12.3	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. c) 40mm	5	345.00	Per Mtr	1725.00
13	49/6.40.2	Fabricating supplying and mounting MS box made out... SWG suitable Ifor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with necessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	38000	0.33	Sqcm	12540.00
14	55/7.3.1	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm	2	77.00	Mtrs	154.00
15	108/17.5	Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires	23	176.00		4048.00
16	11 AR	Fabricating, supplying and erecting stepped / welded tubular pole of height 3.5 Mtr having two sections , ornamental bracket and providing two coats of red oxide paint and finished with two coats of enameled paint of approved quality and colour. and M. S. Base plate of size 150 mm X 150 mmX 6mm thick welded at the bottom of the pole. 32mm dia GI/flexible PVC pipe of 1 mtr length fitted to the existing Polycarbonate box. The pole shall be erected in cement concrete of (1:2:4) including excavation and refilling and (1;2;4) coping. (Top 1 Mtr X 2.5" dia, Bottom 2 mtr., X 3" dia) as per the drawing enclosed	2	3850.00	Nos	7700.00
17	2.5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	140	18.60	Mtrs	2604.00

18	49/6.3 9.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	9	263.00	Mtrs	2367.00
19	Bescom sr	Providing cement conccrete to poles and Guy sets with material and labour including necessary curing B) Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	14	982.00	Nos	13748.00
		Total Rs				499972.00
		Mislenious				28.00
		Total				**500000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 and BESCOM SR.

T.N. Ba...

jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

TECHNICALLY SANCTIONED FOR Rs. 5.00 Lakhs
Rupees Five Lakhs only
Under P.1771 Zone work pow works
Registered as EE ( ) No. 10/2017-18 9 9
Subject to conditions contained in enclosed memo EE ( ) No. BBMP/JC/42/AS/2017-18
Dt. 26/12/2018
Estimate A/ Sanctioned BBMP/EE/Ele/42/TS/10/2017-18
Dated 10.01.2018 Rs. 5.00 Lakhs

Executive Engineer